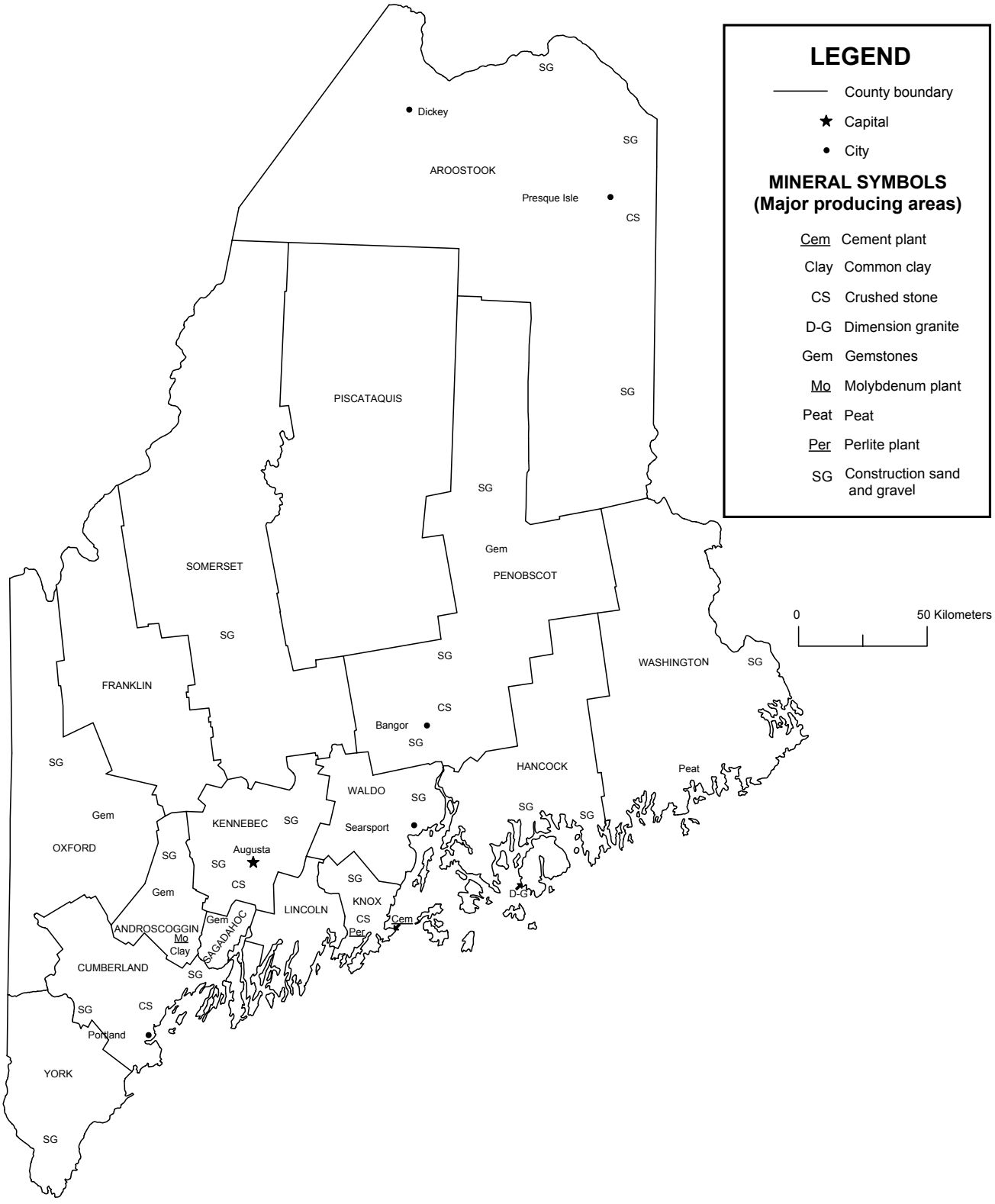
MAINE



Source: Maine Geological Survey/U.S. Geological Survey (2002)

THE MINERAL INDUSTRY OF MAINE

This chapter has been prepared under a Memorandum of Understanding between the U.S. Geological Survey and the Maine Geological Survey for collecting information on all nonfuel minerals.

In 2002, the estimated value[1] of nonfuel mineral production for Maine was $106 million, based upon preliminary U.S. Geological Survey (USGS) data. This was about a 4% increase from that of 2001[2] and followed a nearly 7% increase in 2001 from 2000.

The large majority of Maine's nonfuel mineral production resulted from the mining and production of construction minerals and materials—construction sand and gravel, cement (portland and masonry), crushed stone, and dimension granite (descending order of value). In 2002, construction sand and gravel and crushed stone accounted for about 66% of the State's total nonfuel raw mineral production value, but the majority of the increase in value resulted from a rise in the production and value of portland cement, supported by smaller increases in crushed stone and construction sand and gravel. Further information regarding cement and dimension granite has been withheld to protect company proprietary data. In 2001, increases of $7.3 million in construction sand and gravel and $3.1 million in crushed stone plus a smaller increase in dimension granite more than offset a net decrease of nearly $5 million in cement (portland and masonry) and a smaller drop in peat (table 1).

Based upon USGS estimates of the quantities of minerals produced in the United States in 2001, Maine (by value) remained 13th in the production of gemstones but decreased in rank to 9th from 6th in the production of peat. Additionally, the State's mine pits produced significant quantities of construction sand and gravel.

[1]The terms "nonfuel mineral production" and related "values" encompass variations in meaning, depending upon the minerals or mineral products. Production may be measured by mine shipments, mineral commodity sales, or marketable production (including consumption by producers) as is applicable to the individual mineral commodity.

All 2002 USGS mineral production data published in this chapter are preliminary estimates as of July 2003 and are expected to change. For some mineral commodities, such as construction sand and gravel, crushed stone, and portland cement, estimates are updated periodically. To obtain the most current information, please contact the appropriate USGS mineral commodity specialist. Specialist contact information may be retrieved over the Internet at URL http://minerals.usgs.gov/minerals/contacts/comdir.html; alternatively, specialists' names and telephone numbers may be obtained by calling USGS information at (703) 648-4000 or by calling the USGS Earth Science Information Center at 1-888-ASK-USGS (275-8747). All Mineral Industry Surveys—mineral commodity, State, and country—also may be retrieved over the Internet at URL http://minerals.usgs.gov/minerals.

[2]Values, percentage calculations, and rankings for 2001 may differ from the Minerals Yearbook, Area Reports: Domestic 2001, Volume II, owing to the revision of preliminary 2001 to final 2001 data. Data for 2002 are preliminary and are expected to change; related rankings may also change.

TABLE 1

NONFUEL RAW MINERAL PRODUCTION IN MAINE[1, 2]

(Thousand metric tons and thousand dollars)

Mineral	2000		2001		2002[p]	
	Quantity	Value	Quantity	Value	Quantity	Value
Cement, masonry	W	W	W	W	10 [e]	1,000 [e]
Clays, common e/	49	125	49	125	49	125
Gemstones	NA	239	NA	245	NA	252
Sand and gravel, construction	9,670	37,600	11,200	44,900	11,000	45,200
Stone, crushed	3,650	21,100	4,210	24,200	4,200	24,600
Combined values of cement (portland), peat, stone (dimension granite), and values indicated by symbol W	XX	36,500	XX	32,600	XX	34,600
Total	XX	95,500	XX	102,000	XX	106,000

[e]Estimated. [p]Preliminary. NA Not available. W Withheld to avoid disclosing company proprietary data; value included with "Combined values" data. XX Not applicable.

[1]Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

[2]Data are rounded to no more than three significant digits; may not add to totals shown.

TABLE 2

MAINE: CRUSHED STONE SOLD OR USED, BY KIND[1]

Kind	2000				2001			
	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value	Number of quarries	Quantity (thousand metric tons)	Value (thousands)	Unit value
Limestone	5	1,300	$7,260	$5.58	6	1,440	$7,960	$5.53
Granite	4	1,320	7,150	5.40 r	4	1,370	7,880	5.74
Traprock	1	W	W	8.82 r	1	W	W	6.61
Quartzite	2	W	W	6.16	2	W	W	5.98
Slate	1	W	W	7.19 r	1	W	W	8.00
Miscellaneous stone	6 r	373	2,410	6.47	3	830	4,800	5.78
Total or average	XX	3,650	21,100	5.78	XX	4,210	24,200	5.75

rRevised. W Withheld to avoid disclosing company proprietary data; included in "Total." XX Not applicable.

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

TABLE 3

MAINE: CRUSHED STONE SOLD OR USED BY PRODUCERS IN 2001, BY USE[1]

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Construction:			
Coarse aggregate (+1 1/2 inch):			
Riprap and jetty stone	W	W	$8.25
Filter stone	W	W	5.08
Other coarse aggregates	50	$452	9.04
Coarse aggregate, graded:			
Concrete aggregate, coarse	268	1,380	5.15
Bituminous aggregate, coarse	W	W	6.13
Railroad ballast	W	W	6.33
Fine aggregate (-3/8 inch):			
Stone sand, concrete	69	391	5.67
Stone sand, bituminous mix or seal	W	W	6.25
Other fine aggregates	20	108	5.40
Coarse and fine aggregates:			
Graded road base or subbase	W	W	7.05
Other coarse and fine aggregates	1,140	6,630	5.81
Other construction materials	648	3,630	5.62
Chemical and metallurgical:			
Cement manufacture	W	W	5.51
Lime manufacture	W	W	5.51
Unspecified:[2]			
Reported	573	3,300	5.75
Estimated	470	2,700	5.73
Total or average	4,210	24,200	5.75

W Withheld to avoid disclosing company proprietary data; included in "Total."

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

[2]Reported and estimated production without a breakdown by end use.

TABLE 4

MAINE: CONSTRUCTION SAND AND GRAVEL SOLD OR USED IN 2001, BY MAJOR USE CATEGORY[1]

Use	Quantity (thousand metric tons)	Value (thousands)	Unit value
Concrete aggregates and concrete products[2]	978	$4,260	$4.36
Asphaltic concrete aggregates and other bituminous mixtures	1,300	9,250	7.14
Road base and coverings[3]	1,790	6,190	3.47
Fill	947	3,020	3.19
Snow and ice control	537	2,260	4.20
Railroad ballast	43	142	3.30
Other miscellaneous uses	27	141	5.22
Unspecified:[4]			
Reported	1,300	4,520	3.48
Estimated	4,200	15,000	3.57
Total or average	11,200	44,900	4.03

[1]Data are rounded to no more than three significant digits, except unit value; may not add to totals shown.

[2]Includes plaster and gunite sands.

[3]Includes road and other stabilization (cement and lime).

[4]Reported and estimated production without a breakdown by end use.